



technical specifications

Density	DIN 53 479	g/cm	1.37	
Moisture absorption (23°C/50RH)	DIN EN ISO 62	%	0.25	
Water absorption to equilibrium	DIN EN ISO 62	%	0.5	
Tensile strength at yield	DIN EN ISO 527	Mpa	88	
Elongation at yield	DIN EN ISO 527	%	4	
Tensile strength at break		Mpa		
Modulus of elasticity in tension	DIN EN ISO 527	Mpa	2700	
Modulus of elasticity after flexural test		Mpa		
Hardness	DIN 53 456		95	
Impact strength 23°C (Charpy)	DIN EN ISO 179	KJ/m ²		
Creep rupture strength after 1000 h with static load		Mpa	36	
Time yield limit for 1% elongation after 1000 h		Mpa	13	
Co-efficient of friction $p=0.05 \text{ N/mm}^2$ $v=0.6 \text{ m/s}$ on steel, hardened and ground			0.25	
Wear $p=0.05 \text{ N/mm}^2$ $v=0.6 \text{ m/s}$ on steel, hardened and ground		$\mu\text{m/km}$	0.35	
Heat distortion temperature	Method A	ISO-R 75 (DIN 53 461)	°C	95
	Method B	ISO-R 75 (DIN 53 461)	°C	170
	Long term		°C	110
Coefficient of thermal expansion (23-55°C)	DIN 53 752			
Dielectric constant (10 Hz)	DIN 53 483		3.2	